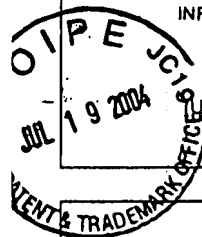


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. CTJPL.010A	APPLICATION NO. 10/829,598
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Graetz, et al.	
		FILING DATE April 22, 2004	GROUP 1745



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RH/	1	US 6,334,939 B1	1/1/02	Zhou, et al.	204	409	6/15/00

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
/RH/	2	K. Sayama, H. Yagi, Y. Kato, S. Matsuta, H. Tarui, and S. Fujitani, Abstract 52; The 11th International Meeting on Lithium Batteries, Monterey, CA, June 23-28, 2002					
	3	T. Takamura, S. Ohara, J. Suzuki, and K. Sekine, Abstract 257, The 11th International Meeting on Lithium Batteries, Monterey, CA, June 23-28, 2002					
	4	Li, et al., "A High Capacity Nano-Si Composite Anode Material for Lithium Rechargeable Batteries" Electrochemical and Solid-State Letters, 2 (11) 547-549 (1999)					
	5	Ohara, et al., "Li Insertion/Extraction Reaction at a Si Film Evaporated on a Ni Foil" Journal of Power Sources 119-121 (2003) 591-596					
	6	Graetz, et al., "Highly Reversible Lithium Storage in Nanostructured Silicon, Electrochemical and Solid-State Letters" 6 (9) A194-A197 (2003)					
	7	D. Shneyder, "Two-Dimensional Oxidation of SiGe" 69-71, http://www.nnf.cornell.edu/1999REU/ra/Shneyder.pdf					

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First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Not Assigned
Attorney Docket Number	27-06

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/RH/	1	6852446		2005-02-08	Barbarich	
	2	6844115		2005-01-18	Gan et al.	
	3	6743547		2004-06-01	Gan et al.	
	4	6713214		2004-03-30	Koga et al.	
	5	6358649		2002-03-19	Yazami et al.	
	6	5175066		1992-12-29	Hamwi et al.	
	7	5114811		1992-05-19	Ebel et al.	
↓	8	4431567		1984-02-14	Gestaut et al.	

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/RH/	9	4119655		1978-10-10	Hulme	
	10	3956018		1976-05-11	Kozawa	
	11	3536532		1970-10-27	Wantanabe et al.	
	12	6649033		2003-11-18	Yagi et al.	

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/RH/	3	1028476	EP		2000-08-16	Kaminaka et al.		<input type="checkbox"/>
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	1	ARORA and ZHANG, Oct. 13, 2004, "Battery Separators," Chem. Rev., 104:4419-4462	<input type="checkbox"/>
	2	CHARLIER et al., 1993, "First principles study of graphite monofluoride (CF) _n ," Phys. Rev. B, 47:16162-16168	<input type="checkbox"/>
	3	DAVIDSON, 2003, "Lithium Batteries, Molecular Expressions, Electricity and Magnetism," Florida State Univ., http://micro.magnet.fsu.edu/electromag/electricity/batteries/lithium.html	<input type="checkbox"/>
	4	EBERT et al., 1974, "Carbon monofluoride. Evidence for a structure containing an infinite array of cyclohexane boats," J. Am. Chem Soc., 96:7841-7842	<input type="checkbox"/>
	5	FUJIMOTO, 1997, "Structure analysis of graphite fluoride by Rietveld method," Carbon, 35:1061-1065	<input type="checkbox"/>
	6	GUPTA et al., 2001, "Raman scattering study of highly fluorinated graphite," J. Fluorine Chem., 110:145-151	<input type="checkbox"/>
	7	International Search Report Corresponding to PCT/US 2003/28395, Mailed Feb. 8, 2005	<input type="checkbox"/>
	8	JACOBS, "Lithium battery basics, Machine Design, www.machinedesign.com/ASP/strArticleID/55501/strSite/MDSite/view Selected Art.asp , Downloaded Oct. 14, 2005	<input type="checkbox"/>

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/RH/	9	JACOBS, "Long-lasting lithiums," Electron. Comm Technol., http://dataweek.co.za/Article.ASP?pkIArticleID=1847&pkIIssueID=455 , Downloaded Oct. 14, 2005	<input type="checkbox"/>
	10	KITA et al., 1979, "Chemical composition and crystal structure of graphite fluoride," J. Am. Chem. Soc., 101:3832-3841	<input type="checkbox"/>
	11	LI, et al., 2000, "The crystal structural evolution of nano-Si anode caused by lithium insertion and extraction at room temperature," Solid State Ionics, 135:181-191	<input type="checkbox"/>
	12	MITKIN et al., 2002, "X-ray photoelectron and Auger spectroscopic study of superstoichiometric fluorographite-like materials," J. Struct. Chem., 43:843-855	<input type="checkbox"/>
	13	NAKAJIMA et al., 1999, "Electrochemical behavior of surface-fluorinated graphite," Electrochem. Acta, 44:2879-2888	<input type="checkbox"/>
	14	NANSE et al., 1997, "Fluorination of carbon blacks: an x-ray photoelectron spectroscopy study: I. A literature review of XPS studies of fluorinated carbons. XPS investigation of some reference compounds," Carbon, 35:175-194	<input type="checkbox"/>
	15	PELIKAN et al., 2003, "On the structural and electronic properties of poly(dicarbon monofluoride): solid-state semi-empirical INDO study," J. Solid State Chem., 174:233-240	<input type="checkbox"/>
	16	PILARZYK, "Lithium carbon monofluoride coin cells in real-time clock and memory backup applications," Rayovac, White Papers, http://www.rayovac.com/technical/wp_lithium.htm , Downloaded Oct. 17, 2005	<input type="checkbox"/>
	17	TOUHARA et al., 1987, "On the structure of graphite fluoride," Anorg. All. Chem., 544:7-20	<input type="checkbox"/>
	18	WHITTINGHAM, 1975, "Mechanism of reduction of fluorographite cathode," J. Electrochem. Soc., 122:526-527	<input type="checkbox"/>
↓	19	ZAJAC et al., 2000, "The structure and properties of graphite monofluoride using the three-dimensional cyclic cluster approach," J. Solid State Chem., 150:286-293	<input type="checkbox"/>

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/RH/	20	ZHOU, et al., 1999, "Controlled Li doping of Si nanowires by electrochemical insertion method," Applied Physics Letters, 75(16):2447-2449	<input type="checkbox"/>
	21	AUTHOR (UNKNOWN), "Meeting the energy need of future warriors," National Academic Press, www.nap.edu/openbook/0309092612/html/91.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	22	AUTHOR (UNKNOWN), "Meeting the energy need of future warriors," National Academic Press, www.nap.edu/openbook/0309092612/html/88.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	23	AUTHOR (UNKNOWN), "Lithium Batteries," Panasonic Ideas for Life, Product brochure, www.panasonic.com/industrial/battery/oem/chem/liih/index.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	24	AUTHOR (UNKNOWN), "PowerStream Battery Chemistry FAQ, PowerStream Technology, www.powerstream.com/BatteryFAQ.html, Last Updated Aug. 17, 2003	<input type="checkbox"/>
	25	Lam et al. (Jun. 27, 2005) "Physical Characteristics and Rate Performance of (CFx)n (0.33<x<0.66) in Lithium Batteries," J. Power Sources: 153:354-359	<input type="checkbox"/>
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	Examiner Name	Hodge, Robert W	
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↓	2	04025757	WO		2004-03-25	Graetz et al.		<input type="checkbox"/>
↓	3	0196847	WO		2001-12-20	Zhou et al.		<input type="checkbox"/>

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